CLAIMS

What is claimed is:

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- 3. The display assembly of Claim 33, wherein said backlight device is an electro-luminescent (EL) light device.
- 4. The display assembly of Claim 33, wherein said backlight device comprises at least one light emitting diode (LED).
 - 5. The display assembly of Claim 33, wherein said backlight device is a cold cathode fluorescent tube (CCFT) light device.
 - 6. The display assembly of Claim 33, further comprising a brightness enhancing film (BEF) located between said backlight device and said low power reflective-type display, wherein a microstructure on a bottom of said BEF directs light toward said plurality of light conducting spacers and reflects light away from at least one portion of said low power reflective-type display without said plurality of spacers.
 - 7. The display assembly of Claim 33, wherein said low power reflective-type display is an electronic ink display.

- 8. The display assembly of Claim 33, wherein said low power reflective-type display comprises an electronic paper display.
- 5 9. The display assembly of Claim 33, wherein said low power reflective-type display is a digital paper display utilizing micro-machining technology.
- 14. The display assembly of Claim 34, wherein said backlight device isan electro-luminescent (EL) light device.
 - 15. The display assembly of Claim 34, wherein said backlight device comprises at least one light emitting diode (LED).
- 16. The display assembly of Claim 34, wherein said backlight device is a cold cathode fluorescent tube (CCFT) light device.
 - 17. The display assembly of Claim 34, further comprising a brightness enhancing film (BEF) located between said backlight device and said low power reflective-type display, wherein a microstructure on a bottom of said BEF directs light toward said plurality of light conducting spacers and directs light away from at least one portion of said low power reflective-type display without said plurality of light conducting spacers.

- 18. The display assembly of Claim 34, wherein said low power reflective-type display is an electronic ink display.
- 19. The display assembly of Claim 34, wherein said low power reflective-type display comprises an electronic paper display.
- 20. The display assembly of Claim 34, wherein said low power reflective-type display is a digital paper display utilizing micro-machining technology.
 - 25. The display assembly of Claim 35, wherein said backlight device is an electro-luminescent (EL) light device.
- 26. The display assembly of Claim 35, wherein said backlight device comprises at least one light emitting diode (LED).
- 27. The display assembly of Claim 35, wherein said backlight device is a cold cathode fluorescent tube (CCFT) light device.

29. The display assembly of Claim 35, wherein said low power reflective-type display is an electronic ink display.

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- 30. The display assembly of Claim 35, wherein said low power reflective-type display comprises an electronic paper display.
- The display assembly of Claim 35, wherein said low power
 reflective-type display is a digital paper display utilizing micro-machining technology.
 - 33. A display assembly for a portable device comprising:
 - a backlight device;
 - a low power reflective-type display atop said backlight device;
 - a transparent sheet atop said low power reflective-type display; and
 - a light reflecting material disposed between said backlight device and said low power reflective-type display, wherein said light reflecting material reflects said light received from said low power reflective-type display,
 - wherein said low power reflective-type display comprises a plurality of light conducting spacers that form at least a sub-pixel area, wherein said plurality of light conducting spacers-is located between-said light reflecting material and said transparent sheet, and wherein said transparent sheet outputs light received from said backlight device via said low power reflective-type display.

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34. A display assembly for a portable device comprising: a backlight device operable to emit light;

a low power reflective-type display atop said backlight device comprising a plurality of light conducting spacers that form at least a subpixel area, wherein said plurality of light conducting spacers transmits said light;

a transparent sheet atop said low power reflective-type display, wherein said transparent sheet outputs light received from said low power reflective-type display via said plurality of light conducting spacers located between said backlight device and said transparent sheet; and

a light reflecting film comprising at least one reflective pyramid shaped microstructure, wherein said light reflecting film is atop said transparent sheet, wherein said light reflecting film passes a first portion of said light received from said low power reflective-type display via said transparent sheet, and wherein said light reflecting film reflects a second portion of said light back to said low power reflective-type display to be recycled for subsequently passing through said light reflecting film

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- 35. A display assembly for a portable device comprising:
- a backlight device;

a low power reflective-type display atop said backlight device comprising a plurality of light conducting spacers that form at least a subpixel area, wherein said plurality of light conducting spacers transmits light from said back light device:

a transparent sheet atop said low power reflective-type display, wherein said transparent sheet outputs light received from said low power reflective-type

display via said plurality of light conducting spacers located between said backlight device and said transparent sheet; and

a brightness enhancing film (BEF) located between said backlight device and said low power reflective-type display, wherein microstructures at a bottom portion of said BEF concentrates light toward said plurality of light conducting spacer spacers and directs light away from portions of said low power reflective-type display without said plurality of light conducting spacers.